Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Monday 29 Jan 2024 until 23:59 on Tuesday 30 Jan 2024

Forecast Issued on Sunday 28 Jan 2024 at 11:18

Confidence: High for rain and snow on Monday. Low for freezing rain. Medium for general developments from Wednesday.

Headline for Monday 29 Jan 2024: Heavy rain and snow. Risk of freezing rain.

Mountain weather hazards on Monday 29 Jan 2024

Blizzards
Low Likelihood

Gales
No Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
Medium Likelihood

Severe chill effect
Medium Likelihood

Heavy persistent rain
High Likelihood

Storm force winds
No Likelihood

Poor visibility
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Sleet	Heavy snow	Heavy snow	Light snow	Heavy snow	Heavy snow	Sleet
Precipitation probability							
80%	70%	80%	80%	80%	70%	70%	70%

Forecast for Monday 29 Jan 2024

Weather: Cloudy and overcast with outbreaks of rain, sleet and snow. Freezing rain cannot be ruled out around the summits, but details on this uncertain. The sleet and snow above 600m, heavy and persistent at times with blizzard and whiteout conditions possible over the summits. Heavy rain lower down. Navigational difficulties expected due to low cloud and heavy snow.

Chance of cloud-free hill tops above 800m: 20%

Low cloud and visibility: Extensive cloud, base 300 to 600m. Visibility moderate to very poor, whiteout conditions at times over the summits.

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Forecast for Monday 29 Jan 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	18/23 NW	16/20 N	12/16 N	15/20 NE	15/20 NE	15/21 NE	21/29 E	17/24 E	18/24 NE
600	18/25 NW	12/17 N	11/16 N	13/18 NE	13/18 NE	13/19 NE	15/22 E	14/21 NE	16/24 NE
300	10/21 NW	8/17 N	8/14 N	7/14 NE	8/17 NE	9/18 NE	10/20 NE	9/19 NE	10/19 NE
Valley	11/22 NW	9/17 N	9/15 N	11/17 NE	12/21 NE	13/21 NE	14/24 NE	15/24 NE	14/24 NE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	2/-4	-0/-6	-1/-6	-2/-8	-1/-7	-1/-6	-0/-7	1/-5	0/-6
600	3/-2	2/-3	1/-4	0/-5	0/-5	1/-4	1/-4	2/-4	2/-4
300	5/2	4/1	3/0	2/-1	2/-1	3/-1	3/-1	4/0	4/0
Valley	7/4	6/4	6/3	5/2	5/1	5/1	5/1	6/1	6/2
Freezing Level*	2300m	1000m	800m	800m	1100m	1400m	1500m	1600m	1600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Some caution around exact summit temperatures and freezing levels during daylight hours. The main message is temperature at 600m and above will be Minus 1 to Plus 1 Celsius with the expectation of sleet, snow and perhaps even freezing rain. Also feeling cold with a significant wind chill.

Forecast for Tuesday 30 Jan 2024

Weather: Patchy rain, sleet and snow overnight and early morning, any snow above 600 to 800m. The cloud thinning and breaking with bright and sunny spells developing by midday. Clear spells with the chance of some mist and freezing fog patches forming in the valleys in the evening.

Maximum wind: West or Northwest 10 to 15mph

Chance of cloud-free hill tops above 800m: 30% overnight rising to 90% in the afternoon.

Low cloud and visibility: Occasional or extensive cloud, base 300 to 600m, lifting and clearing above the summits during the morning. Visibility moderate to very poor overnight and early morning, becoming very good by afternoon.

Temperature: **Valleys:** Plus 3 rising to 6 Celsius, later Zero Celsius
At 800m: Zero to Minus 2 Celsius
Freezing level: 600 to 800m, lowering late in the day.

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Ground Conditions Supplement

Date: Sunday 28 January 2024 Location: Helvellyn summit at 11:46. Full report: A damp and cloudy day with continued strong winds over high ground. The vast majority of the fells and paths are snow-free up to and including the highest tops, however, snow and ice is still present above 800m on steep north and east-facing slopes and this was slowly thawing today. Swirral and Striding Edge can be done almost entirely on rock, however, a small patch of hard, icy, and unavoidable snow is present at the top of Swirral edge. The exit slopes of Striding edge can be negotiated without setting foot on snow. The windchill (feels-like) temperature on the tops today was around -6ºC and anyone who stood still even for short periods would get cold very quickly. Full winter clothing (warm and waterproof) including hats and gloves and equipment including a map, compass, and headtorch are all essential. Microspikes are also advisable for crossing the small patches of unavoidable snow on the exit slopes of Swirral Edge, or any other similar steep and exposed routes where there may be remnants of old, hard, and icy snow. Temperature: plus 3.2 C, Maximum wind speed 39.8 mph, Wind chill: minus 5.8 C, Average wind speed: 33.9 mph

Issued at: 1730 on Sun 28 Jan 2024

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